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WE CLAIM:

A compound having the structure of Formula I

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$$\begin{array}{c|c} H & O \\ \hline & N-A-N \\ \hline & N-R \\ \end{array}$$

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FORMULA - I

its pharmaceutically acceptable salts, amides, enantiomers, diastereomers, Noxides, prodrugs, metabolites or their polymorphs, wherein A is a straight or branched C_1 - C_4 alkyl chain; R is cinnamyl, benzyl, substituted benzyl, phenyl, mono- or disubstituted phenyl group substituted with the substituents independently selected from the group consisting of halogen, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, trifluoromethyl, nitro, trifluoroalkoxy group, or (dihalodiphenyl) methyl,

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4-6 pt 20 pt

2. The compound according to claim 1 wherein halogen is selected from the group consisting of chloro, fluoro, iodo; C_1 - C_6 alkyl is selected from the group consisting of methyl, ethyl, n-propyl, isopropyl, butyl, tert-butyl, and C_1 - C_6 alkoxy is selected from the group consisting of methoxy, ethoxy, n-propoxy, isopropoxy, and hexyloxy.

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- 3. The compounds according to claim 1 selected from the group consisting of:
 - 2-[3-{4-(2-Methoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 01).
 - 2-[3-{4-(3-Chlorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 02).
 - 2-[3-{4-(2-Methylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 03).

- 2-[3-{4-(4-Fluorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 04).
- 2-[3-{4-(3-Trifluoromethylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 05).
- 2-[3-{4-(2-Fluorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 06).
- 2-[3-{4-(3,4-Dimethylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 07).
- 2-[3-{4-(2-Methoxy-5-fluorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 08).
- 2-[3-{4-(2-Ethylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 09).
- 2-[3-{4-(2,4-Difluorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 10).
- 2-[3-{4-(2-Ethoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 11).
- 2-[3-{4-(2-Methyl-5-chlorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 12).
- 2-[3-{4-(Phenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 13).
- 2-[3-{4-(Benzyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 14).
- 2-[3-{4-(Cinnamyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 15).
- 2-[3-{4-(4-Nitrophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 16).
- 2-[3-{4-(3-Chloro-4-methylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 17).
- 2-[3-{4-(4-Fluoro-2-methoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 18).
- 2-[3-{4-(Bis-4-fluorophenyl)methylpiperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 19).
- 2-[3-{4-(2,4-Dichlorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 20).

- 2-[3-{4-(2,4-Dimethoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 21).
- 2-[3-{4-(2,6-Dimethylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 22).
- 2-[3-{4-(2-Isopropoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 23).
- 2-[3-{4-(2-Propoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 24).
- 2-[3-{4-(2-n-Hexyloxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 25).
- 2-[3-{4-(2,5-Dimethoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 26).
- 2-[3-{4-(4-tert-Butylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 27).
- 2-[3-{4-(2-Methoxy-6-hydroxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 28).
- 2-[3-{4-(2-Methoxyphenyl)piperazin-1-yl}-3-methylpropyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 29).
- 2-[3-{4-(2-Methoxyphenyl)piperazin-1-yl}-2-methylpropyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 30).
- 2-[3-{4-(2-Ethoxyphenyl)piperazin-1-yl}-3-methylpropyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 31).
- 4. A method of selectively antagonizing α_1 -adrenergic receptors in a mammal comprising administering to said mammal a compound having the structure of Formula I

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$$\underbrace{ \left(\begin{array}{c} H & O \\ N - A - N \end{array} \right) }_{H} N - A - N \underbrace{ \left(\begin{array}{c} N - A - N \\ N - A - N \end{array} \right) }_{N} N - R$$

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FORMULA - I

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its pharmaceutically acceptable salts, amides, enantiomers, diastereomers, Noxides, prodrugs, metabolites or their polymorphs, wherein A is a straight or branched C_1 - C_4 alkyl chain; R is cinnamyl, benzyl, substituted benzyl, phenyl, mono- or disubstituted phenyl group substituted with the substituents independently selected from the group consisting of halogen, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, trifluoromethyl, nitro, trifluoroalkoxy group, or (dihalodiphenyl) methyl.

5. A method for treating benign prostatic hyperplasia in a mammal comprising administering to said mammal a compound having the structure of Formula I

$$\underbrace{ \left(\begin{array}{c} H \\ O \\ H \end{array} \right) }_{H} N-A-N \underbrace{ \left(\begin{array}{c} N-R \\ O \\ O \end{array} \right) }_{N-R}$$

FORMULA - I

its pharmaceutically acceptable salts, amides, enantiomers, diastereomers, Noxides, prodrugs, metabolites or their polymorphs, wherein A is a straight or branched C_1 - C_4 alkyl chain; R is cinnamyl, benzyl, substituted benzyl, phenyl, mono- or disubstituted with the substituents independently selected from the group consisting of halogen, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, trifluoromethyl, nitro, trifluoroalkoxy group, or (dihalodiphenyl) methyl.

- 6. A pharmaceutical composition comprising the compound of claim 1 and a pharmaceutical acceptable carrier.
- A method of selectively antagonizing α₁-adrenergic receptors in a
 mammal comprising the step of administering to the said mammal the pharmaceutical composition according to claim 6.

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- 8. A method for treating benign prostatic hyperplasia in a mammal comprising the step of administering to the said mammal the pharmaceutical composition according to claim 6.
- 9. A process for preparing a compound of Formula I

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$$\begin{array}{c|c}
H & O \\
N-A-N & N-R
\end{array}$$

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or its pharmaceutically acceptable salts, amides, enantiomers, diastereomers, N-oxides, prodrugs, metabolites or their polymorphs, wherein A is a straight or branched C_1 - C_4 alkyl chain; R is cinnamyl, benzyl, substituted benzyl, phenyl, mono- or disubstituted phenyl group substituted with the substituents independently selected from the group consisting of halogen, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, trifluoromethyl, nitro, trifluoroalkoxy group, or (dihalodiphenyl) methyl, which comprises reacting a compound of Formula II, with piperazine derivatives of Formula III, as shown in Scheme I wherein A and R are the same as defined above.

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10. A process for preparing a compound of Formula I

$$N-A-N$$
 $N-R$

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or its pharmaceutically acceptable salts, amides, enantiomers, diastereomers, N-oxides, prodrugs, metabolites or their polymorphs, wherein A is a straight or

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branched C_1 - C_4 alkyl chain; R is cinnamyl, benzyl, substituted benzyl, phenyl, mono- or disubstituted phenyl group substituted with the substituents independently selected from the group consisting of halogen, hydroxy, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, trifluoromethyl, nitro, trifluoroalkoxy group or (dihalodiphenyl) methyl, which comprises reacting 1-(ω -haloalkyl)cis-3a,4,7,7a-tetrahydrophthalimide of Formula IV, wherein A is the same as defined above, with a compound of Formula V, wherein R is the same as defined above, as shown in Scheme II.